Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended) An electronic system for locating an object comprising:

a ~~monitoring~~ monitor unit having a micro-controller, wherein the monitor unit transmits a monitor direct sequence spread spectrum (MDSSS) signal having a pseudo-random noise sequence, a monitor first frequency component and a monitor second frequency component;

a tracked unit placed on [[said]] the object and receiving [[a]] the ~~monitor direct sequence spread spectrum (MDSSS)~~ MDSSS signal from [[said]] the ~~monitoring~~ monitor unit and transmits a tracked direct sequence spread spectrum (TDSSS) signal having a pseudo-random noise sequence, a first frequency component and a second frequency component to [[said]] the ~~monitoring~~ monitor unit; and

wherein the [[a]] ~~first phase detector placed on said monitor unit to compare~~ micro-controller compares [[a]] the first frequency component of [[said]] the TDSSS signal to the [[a]] monitor first frequency component of the MDSSS signal creating a first phase difference utilized for a coarse accuracy determination of the ~~a object ranging~~ distance relative between the ~~to said~~ monitor unit and the tracked unit,

further wherein the micro-controller compares the second frequency component of the TDSSS signal to the monitor second frequency component of the MDSSS signal to create a second phase difference utilized for a medium accuracy determination of range between the tracked unit on the object and the monitor unit.

Claim 2 (cancelled)

Claim 3 (currently amended) [[An]] The electronic system as recited in Claim [[2]] 1, wherein the monitor unit further ~~comprising:~~ includes a monitor phase detector, the MDSSS signal further includes a monitor third frequency component and the TDSSS signal further includes a third

frequency component, wherein the monitor phase detector ~~a third phase detector comparing~~ compares the [[a]] third frequency component of [[said]] the TDSSS signal with [[a]] the monitor third frequency component to create a third phase difference; and the micro-controller ~~an output of second phase detector~~ determines the number of repeated frequency cycles of [[said]] the ~~tracked~~ third frequency component of [[said]] the TDSSS signal [[for]] to the monitor third frequency component of the MDSSS signal for fine accuracy determination of ~~said object ranging distance relative to said monitor unit~~ range between the tracked unit on the object and the ~~relative to~~ monitor unit ~~of said object~~.

Claim 4 (currently amended) [[An]] The electronic system as recited in Claim1, wherein [[said]] the first frequency component of [[said]] the TDSSS signal is a repetition rate of [[said]] the ~~tracked~~ TDSSS pseudo-random noise sequence and [[said]] the ~~first~~ monitor first frequency component is a repetition rate of [[said]] the ~~monitor~~ MDSSS pseudo-random noise sequence.

Claim 5 (currently amended) [[An]] The electronic system as recited in Claim 1, wherein [[said]] the second frequency component of [[said]] the TDSSS signal is a chipping frequency of [[said]] the ~~tracked~~ TDSSS pseudo-random sequence and [[said]] the monitor second frequency component of [[said]] the MDSSS is a chipping frequency of [[said]] the ~~monitor~~ MDSSS pseudo-random noise sequence.

Claim 6 (currently amended) [[An]] The electronic system as recited in Claim [[1]] 3, wherein [[said]] the third frequency component of [[said]] the TDSSS signal is a carrier frequency and [[said]] the monitor third frequency component of [[said]] the MDSSS signal is a carrier frequency.

Claim 7 (currently amended) [[An]] The electronic system as recited in Claim 1, wherein [[said]] the monitor unit further includes ~~comprises~~ a first monitor antenna disposed on [[said]] the monitor unit and a second monitor antenna disposed on [[said]] the monitor unit, ~~which said~~ wherein the first monitor antenna is cross-polarized relative to [[said]] the second monitor

antenna for measuring [[said]] the object ~~ranging~~ distance and relative angle from [[said]] the monitor unit.

Claim 8 (currently amended) [[An]] The electronic system as recited in Claim 1, wherein [[said]] the second frequency component of [[said]] the TDSSS signal is a pseudo-random noise sequence input into a first shift register and a second shift register, creating [[said]] the first phase difference between [[said]] the second frequency component of TDSSS signal and [[said]] the monitor second frequency component of [[said]] the MDSSS signal.

Claim 9 (currently amended) [[An]] The electronic system as recited in Claim 1, wherein [[said]] the tracked unit further includes a tracked modulator and a tracked phase detector, wherein the tracked modulator shifts the TDSSS pseudo-random noise sequence and inputs the shifted TDSSS pseudo-random noise sequence into the tracked phase detector until the TDSSS pseudo-random noise sequence locks with the MDSSS pseudo-random noise sequence. ~~receives a monitor carrier frequency from [[said]] the monitor unit, wherein [[said]] the tracked unit includes a phase lock loop that locks [[said]] the MDSSS signal with [[said]] the TDSSS signal~~.

Claim 10 (currently amended) [[An]] The electronic system as recited in Claim 1, wherein [[said]] the monitor unit ~~further comprises~~ includes a monitor compass having concentric rings, wherein the monitor micro-controller is in electrical communication with the the monitor compass, which displays location of [[said]] the tracked unit within ~~several~~ the concentric rings to provide a visual display for a user of [[said]] the ~~object~~ ranging distance between [[said]] the monitor unit and [[said]] the tracked unit, when in use.

Claim 11 (currently amended) [[An]] The electronic system as recited in Claim 1, wherein [[said]] the monitor unit further comprises a monitor compass having user selectable zones represented by concentric zone rings ~~which~~, wherein the monitor compass displays [[said]] the ~~object ranging~~ distance of [[said]] the tracked unit relative to [[said]] the monitor unit within the user selectable zones. ~~, and a user selects one zone from several concentric rings of coverage.~~

Claim 12 (currently amended) An electronic system for locating an object comprising:

a ~~monitoring~~ monitor [[unit]] unit having a micro-controller having a monitor phase detector, wherein the monitor unit transmits a monitor direct sequence spread spectrum (MDSSS) signal having a pseudo-random noise sequence, a monitor first frequency component and a monitor second frequency component;

a tracked unit placed on [[said]] the object receiving [[a]] the ~~monitor digital spread spectrum signal (MDSSS)~~ MDSSS signal from [[said]] the ~~monitoring~~ monitor unit and transmits a tracked direct sequence spread spectrum (TDSSS) signal having a first frequency component, a second frequency component and a pseudo-random noise sequence, to [[said]] the ~~monitoring~~ monitor unit; [[and]]

wherein the micro-controller [[a]] ~~first phase detector placed on said monitor unit to compare~~ compares [[a]] the first frequency component of [[said]] the ~~tracked direct sequence spectrum~~ TDSSS signal to the [[a]] monitor first frequency component of the MDSSS signal creating a first phase difference utilized for a coarse accuracy determination of [[said]] the object distance ranging relative to [[[said]] the monitor unit;

further wherein, the micro-controller ~~a second phase detector included with said monitor unit that~~ compares [[a]] the second frequency component of [[said]] the ~~tracked direct sequence spread spectrum~~ TDSSS signal with [[a]] the monitor second frequency component of the MDSSS signal to create a second phase difference; and

wherein the monitor phase ~~a first~~ detector monitors phase error output to determine ~~determines~~ number of repeated frequency periods of [[said]] the second frequency component of the TDSSS signal for a medium accuracy determination of range relative to the monitor unit of [[said]] the object range,

wherein [[said]] the first frequency component of [[said]] the TDSSS signal is a repetition rate of [[said]] the ~~tracked~~ TDSSS pseudo-random noise sequence and

wherein [[said]] the second frequency component of [[said]] the TDSSS signal is a chipping frequency of [[said]] the ~~tracked~~ TDSSS pseudo-random noise sequence.

Claim 13 (currently amended) [[An]] The electronic system as recited in Claim 12, wherein the tracked unit further includes a tracked phase detector, the TDSSS signal further ~~comprising:~~

includes ~~a third phase detector comparing~~ a third frequency component and the MDSSS signal further includes a monitor third frequency component, wherein the tracked phase detector compares the third frequency component of [[said]] the TDSSS signal with [[a]] the ~~third~~ monitor third frequency component of the MDSSS to create a third phase difference; and

~~an output of the second phase detector~~ wherein the micro-controller determines the number of repeated frequency cycles of [[said]] the third frequency component of [[said]] the TDSSS signal for fine accuracy determination of ~~an object ranging~~ distance between [[said]] the monitor and tracked unit.

Claim 14 (currently amended) [[An]] The electronic system as recited in Claim [[12]] 13, wherein [[said]] the third frequency component of [[said]] the TDSSS signal is a carrier frequency and [[said]] the monitor third frequency component of [[said]] the MDSSS signal is a carrier frequency.

Claim 15 (currently amended) [[An]] The electronic system as recited in Claim 12, wherein [[said]] the monitor unit further comprises a first monitor antenna disposed on [[said]] the monitor unit and a second monitor antenna disposed on [[said]] the monitor unit, ~~which said~~ wherein the first monitor antenna is cross-polarized relative to [[said]] the second monitor antenna for measuring [[said]] the object range and relative angle from [[said]] the monitor unit.

Claim 16 (currently amended) [[An]] The electronic system as recited in Claim 12, wherein the monitor unit further includes a first shift register and second shift register and [[said]] the second frequency component of [[said]] the TDSSS signal is ~~a pseudo-random noise sequence~~ input into [[a]] the first shift register ~~circuit~~ and [[a]] the second shift register ~~circuit placed with said monitor unit~~, creating [[said]] the first phase difference between [[said]] the second frequency component of [[said]] the TDSSS signal and [[a]] the second frequency component of [[said]] the MDSS signal~~, which is a pseudo-random noise sequence~~.

Claim 17 (currently amended) [[An]] The electronic system as recited in Claim 12, wherein [[said]] the monitor unit further comprises a monitor compass having at least four coverage

zones indicated by concentric rings, which displays object ranging distance between [[said]] the tracked unit and [[said]] the monitor unit, wherein [[said]] a user selects one coverage zone from the ~~several~~ concentric rings ~~of coverage~~ for tracking [[said]] the tracked unit.

Claim 18 (currently amended) A method for detecting the range of an object comprising:

placing a tracked unit on [[said]] the object, wherein the track unit includes a tracked direct spread spectrum (TDSSS) signal having a first frequency component and a second frequency component;

transmitting from a monitor unit a monitor direct sequence spread spectrum (MDSSS) signal having a monitor first frequency component and a monitor second frequency component ~~from a monitoring unit~~, wherein the monitor unit includes a monitor phase detector;

receiving [[said]] the MDSSS signal at [[said]] the tracked unit;

transmitting from [[said]] the tracked unit [[a]] the ~~tracked direct sequence spread spectrum (TDSSS)~~ TDSSS signal to [[said]] the ~~monitoring~~ monitor unit;

comparing [[a]] the first frequency component of [[said]] the TDSSS signal to [[a]] the monitor first frequency component of [[said]] the MDSSS signal within [[a]] the ~~first~~ monitor phase detector; [[and]]

outputting a first phase shift for course accuracy determination of [[said]] the object range relative to [[said]] the monitor ~~unit.~~ unit;

comparing the second frequency of the TDSSS signal to the monitor second frequency component of the MDSSS signal within the monitor phase detector;

outputting a second phase shift; and,

determining the number of repeated frequency periods of the second frequency component of the TDSSS signal.

Claim 19 (canceled)